PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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anslation intern	ATIONAL PRELIMINARY	EXAMINATION RE	PORT
, Italian	(PCT Article 36 and	•	
Applicant's or agent's file reference 28578P WO	FOR FURTHER ACTION	See Notification of T Preliminary Examination	Transmittal of Internation Report (Form PCT/IPEA/41)
International application No. PCT/EP2003/008230	International filing date (day/n 25 July 2003 (25.07.		e (day/month/year) aly 2002 (25.07.2002)
International Patent Classification (IPC C07D 295/205	C) or national classification and IPC		
Applicant	WILEX AG		
3. This report contains indication I	shment of opinion with regard to nove ty of invention tatement under Article 35(2) with rega d explanations supporting such statem	rd to novelty, inventive step	
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International application No.

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4.		been :	furnished. Immendments have resulted in the cancellation of: the description, pages the claims, Nos	
		Ħ	the drawings, sheets/fig	
5.		l beyon	report has been established as if (some of) the amendments had not been made, since they had the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
	in t	his repo 170.17).	nt sheets which have been furnished to the receiving Office in response to an invitation under ort as "originally filed" and are not annexed to this report since they do not contain	amenanto no primario
*	* Any	replace	ment sheet containing such amendments must be referred to under item 1 and annexed to this	report.

International application No.

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		stablishment of opinion with regard to novelty, inventive step and industrial applicability
1.	The qui	destions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be it is ally applicable have not been examined in respect of:
		the entire international application.
	\boxtimes	claims Nos1 (in part), 3, 4, 5 (in part)
	becaus	
		the said international application, or the said claims Nos
		· *
		the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):
١		
		the plaine or said claims Nos
		the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
	\boxtimes	no international search report has been established for said claims Nos. 1 (in part), 3, 4, 5 (in part)
ł	2. A me	eaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid lence listing to comply with the standard provided for in Annex C of the Administrative Instructions:
		the written form has not been furnished or does not comply with the standard.
		the computer readable form has not been furnished or does not comply with the standard.
- 1		

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Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box III.

No preliminary examination is carried out in respect of subjects which have not been searched (see the international search report). The present examination is therefore restricted to the first invention as specified on supplementary sheet PCT/ISA/210 of the international search report.

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NO

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement
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1.	Statement		
	Novelty (N)	Claims	1 (in part), 2, 5 (in part) YE
		Claims	NO
Inventive step (IS)	Inventive step (IS)	Claims	Y
	Claims	1 (in part), 2, 5 (in part) NO	
		Claims	1 (in part), 2, 5 (in part) Y

Citations and explanations

Industrial applicability (IA)

1. Reference is made to the following documents:

Claims

Claims

D1: WO-A-9208709

D2: Bioorg. Med. Chem. Letters, 1999, 9(17), 2483-

2486

D3: Bioorg. Med. Chem. Letters, 1999, 9(21), 3147-

3152

- 2. The subject matter of claim 1 lacks novelty (PCT Article 33(2)):
- 2.1 D1 discloses (see example 1) a method for producing 3-amidino phenylalanine derivatives, in which method 3-cyanobenzyl bromide is reacted with an N-protected amino malonic acid diester (acetamido malonic acid diethylester) to produce 3-cyanophenylalanine (example 1, (1) and (2)).

The method as per D1 differs from the present method in that the N-protected 3-cyanophenylalanine is not isolated.

2.2 The method disclosed in D2 differs from the present method by virtue of the end product.

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- 2.3 D3 does not describe the production of 3cyanophenylalanine.
- 3. The solution proposed in claim 1 of the present application cannot be considered inventive (PCT Article 33(3)) for the following reasons:

The present application is considered to address the problem of developing an alternative method for producing 3-amidino phenylalanine derivatives.

The present method differs from the method as D1, which is regarded as the closest prior art, only in that the decarboxylation and the removal of the protective groups take place in separate steps. Since the conditions for decarboxylation and separation of protective groups are generally known in the art (see, for example, document D2), the implementation of these measures would be an obvious procedure to a person skilled in the art for solving the stated problem.